

ABSTRACT

Lithium batteries having excellent high rate characteristics and low-temperature characteristics, and less in evolution of gases and superior in

5 discharge characteristics are provided by using LiCoO_2 mixed with CaO or Cr_2O_3 or the like as an active material of positive electrode in combination with a non-aqueous electrolyte containing a mixed electrolyte salt comprising both a fluorine-containing inorganic

10 anion lithium salt and a lithium imide salt.

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